

* * * * * Welcome to STN International * * * * *

<u>NEWS 1</u>		Web Page URLs for STN Seminar Schedule - N. America
<u>NEWS 2</u>		"Ask CAS" for self-help around the clock
<u>NEWS 3</u>	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
<u>NEWS 4</u>	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
<u>NEWS 5</u>	FEB 28	BABS - Current-awareness alerts (SDIs) available
<u>NEWS 6</u>	FEB 28	MEDLINE/LMEDLINE reloaded
<u>NEWS 7</u>	MAR 02	GBFULL: New full-text patent database on STN
<u>NEWS 8</u>	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
<u>NEWS 9</u>	MAR 03	MEDLINE file segment of TOXCENTER reloaded
<u>NEWS 10</u>	MAR 22	KOREAPAT now updated monthly; patent information enhanced
<u>NEWS 11</u>	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
<u>NEWS 12</u>	MAR 22	PATDPASPC - New patent database available
<u>NEWS 13</u>	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
<u>NEWS 14</u>	APR 04	EPFULL enhanced with additional patent information and new fields
<u>NEWS 15</u>	APR 04	EMBASE - Database reloaded and enhanced
<u>NEWS 16</u>	APR 18	New CAS Information Use Policies available online
<u>NEWS 17</u>	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
<u>NEWS 18</u>	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS
<u>NEWS 19</u>	MAY 23	GBFULL enhanced with patent drawing images
<u>NEWS 20</u>	MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
<u>NEWS 21</u>	MAY 26	STN User Update to be held June 6 and June 7 at the SLA 2005 Annual Conference
<u>NEWS 22</u>	JUN 06	STN Patent Forums to be held in June 2005
<u>NEWS 23</u>	JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
<u>NEWS EXPRESS</u>		JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
<u>NEWS HOURS</u>		STN Operating Hours Plus Help Desk Availability
<u>NEWS INTER</u>		General Internet Information
<u>NEWS LOGIN</u>		Welcome Banner and News Items
<u>NEWS PHONE</u>		Direct Dial and Telecommunication Network Access to STN
<u>NEWS WWW</u>		CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:03:07 ON 10 JUN 2005

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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 DICTIONARY FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7

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 *
 * The CA roles and document type information have been removed from *
 * the IDE default display format and the ED field has been added, *
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 * available and contains the CA role and document type information. *
 *

Crossover limits have been increased. See HELP CROSSOVER for details.

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 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> file hcaplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.43	0.64

FILE 'HCAPLUS' ENTERED AT 13:03:17 ON 10 JUN 2005
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FILE COVERS 1907 - 10 Jun 2005 VOL 142 ISS 25

FILE LAST UPDATED: 9 Jun 2005 (20050609/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 123:337553/dn

L1 1 123:337553/DN

=> d l1, ibib abs, 1

L1 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

Full
Text

Chrg
References

ACCESSION NUMBER: 1995:931548 HCAPLUS

DOCUMENT NUMBER: 123:337553

TITLE: Enzymic resolution of racemic asymmetric alcohols using vinyl esters of polycarboxylic acids

INVENTOR(S): Seuffer-Wasserthal, Peter; Mayrhofer, Herbert; Wirth, Irma; Poehlauer, Peter

PATENT ASSIGNEE(S): Chemie Linz (Deutschland) GmbH, Germany

SOURCE: Ger. Offen., 5 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
DE 4414273	A1	19951026	DE 1994-4414273	19940423
PRIORITY APPLN. INFO.:			DE 1994-4414273	19940423

OTHER SOURCE(S): MARPAT 123:337553

AB The enzymic resolu. of racemic asym. alcs. by reaction with vinyl, propenyl, or isopropenyl esters of alkane- or alkene-di- or tricarboxylic acids in the presence of a lipase and the uses of the isomeric alcs. are claimed.

=> sel rn

E1 THROUGH E8 ASSIGNED

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.18	5.82

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

FILE 'REGISTRY' ENTERED AT 13:03:45 ON 10 JUN 2005

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

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*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

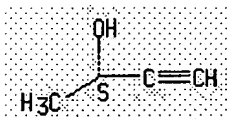
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1 1674-30-2/BI
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1 2028-63-9/BI
  (2028-63-9/RN)
1 2914-69-4/BI
  (2914-69-4/RN)
1 4074-90-2/BI
  (4074-90-2/RN)
1 598-75-4/BI
  (598-75-4/RN)
1 818-72-4/BI
  (818-72-4/RN)
1 9001-62-1/BI
  (9001-62-1/RN)
L2 8 (123-96-6/BI OR 1674-30-2/BI OR 2028-63-9/BI OR 2914-69-4/BI OR
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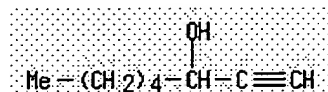
=> d scan

```
L2 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 3-Butyn-2-ol, (2S)- (9CI)
MF C4 H6 O
```

Absolute stereochemistry. Rotation (-).



L2 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 1-Octyn-3-ol (6CI, 7CI, 8CI, 9CI)
MF C8 H14 O



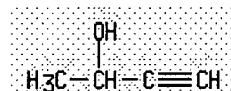
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Lipase, triacylglycerol (9CI)
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT
MF Unspecified
CI COM, MAN

STRUCTURE DIAGRAM IS NOT AVAILABLE

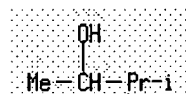
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 3-Butyn-2-ol (8CI, 9CI)
MF C4 H6 O
CI COM



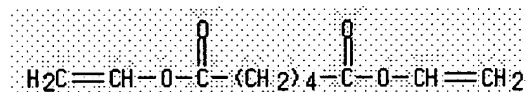
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Butanol, 3-methyl- (8CI, 9CI)
MF C5 H12 O
CI COM



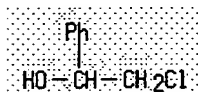
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Hexanedioic acid, diethenyl ester (9CI)
MF C10 H14 O4
CI COM



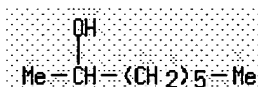
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Benzenemethanol, α -(chloromethyl)- (9CI)
 MF C8 H9 Cl O
 CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2-Octanol (8CI, 9CI)
 MF C8 H18 O
 CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	6.25
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.73

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 FILE LAST UPDATED: 9 Jun 2005 (20050609/ED)

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=> s 123:164736/dn

L3 1 123:164736/DN

=> d l3, ibib abs, 1

L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

Full
Text

Citing
References

ACCESSION NUMBER: 1995:671786 HCAPLUS
DOCUMENT NUMBER: 123:164736
TITLE: The structures of UK-1 and UK-2, novel antibiotics from Streptomyces sp. 517-02
AUTHOR(S): Hanafi, O Muhammad; Kozo, Shibata; Masaru, Kashiwada; Masashi, Ueki; Makoto, Taniguchi
CORPORATE SOURCE: Faculty Science, Osaka City University, Japan
SOURCE: Tennen Yuki Kagobutsu Toronkai Koen Yoshishu (1994), 36th, 728-35
CODEN: TYKYDS
PUBLISHER: Nippon Kagakkai
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
AB The mycelial cake was extd. with acetone, and filtered. The filtrate was concd. to give aq. soln., which was extd. with chloroform. Org. layer was concd. to yield an oily material, followed by purifn. on silica gel column chromatog. to give crude UK-1 and UK-2. Finally, the recrystn. of each fractions from MeOH, afforded UK-1 and UK-2. UK-1 (I), a novel metabolite, demonstrated potent cytotoxic activity against B16, Hela and P388 cells, and UK-2, novel complex of antibiotics, exhibited strong antifungal activity. Methylation of UK-1 by CH3I and anhyd. K2CO3 in dry acetone gave monomethyl ether deriv., Me-UK-1. Alk. hydrolysis of UK-1 afforded carboxylic acid deriv., DeMe-UK-1. Partial structures, A, B, and C were elucidated by COSY, and COLOC expts. Based on these results, the structure of UK-1 was deduced to be a novel benzoxazole dimer deriv. UK-2, novel metabolite contg. complex of antibiotics with strong antifungal activity, was purified by reverse phase HPLC, to give UK-2A, B, C and D. From NMR and mass spectral data, the structures of UK-2A, B, C and D were established as isobutyrate, tiglate, isovalerate, and 2-methylbutyrate of nine membered dilactone skeleton, resp. Based on the result of synthesis of hydrolysis products, the abs. configuration of UK-2 was identified.

=> sel rn

E9 THROUGH E20 ASSIGNED

=> delete select

DELETE ALL E# DEFINITIONS? (Y)/N:y

ALL E# DEFINITIONS DELETED

=> sel rn

E1 THROUGH E12 ASSIGNED

=> s e1-e12

11 151271-53-3/BI
5 151360-46-2/BI
4 151360-47-3/BI
6 166820-04-8/BI

1 166820-05-9/BI
 3 166820-06-0/BI
 1 166820-07-1/BI
 1 166820-08-2/BI
 20 167173-85-5/BI
 6 167173-86-6/BI
 11 167173-87-7/BI
 9 167173-88-8/BI
 L4 33 (151271-53-3/BI OR 151360-46-2/BI OR 151360-47-3/BI OR 166820-04-8/BI OR 166820-05-9/BI OR 166820-06-0/BI OR 166820-07-1/BI OR 166820-08-2/BI OR 167173-85-5/BI OR 167173-86-6/BI OR 167173-87-7/BI OR 167173-88-8/BI)

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.26	11.51
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-1.46

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 *

Crossover limits have been increased. See HELP CROSSOVER for details.

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=> cl his

(FILE 'HOME' ENTERED AT 13:03:07 ON 10 JUN 2005)

FILE 'REGISTRY' ENTERED AT 13:03:13 ON 10 JUN 2005

FILE 'HCAPLUS' ENTERED AT 13:03:17 ON 10 JUN 2005

L1 1 S 123:337553/DN
SEL RN

FILE 'REGISTRY' ENTERED AT 13:03:45 ON 10 JUN 2005

L2 8 S E1-E8

FILE 'HCAPLUS' ENTERED AT 13:04:36 ON 10 JUN 2005

L3 1 S 123:164736/DN
SEL RN
DELETE SELECT
SEL RN

L4 33 S E1-E12

FILE 'REGISTRY' ENTERED AT 13:05:16 ON 10 JUN 2005

=> s e1-e12

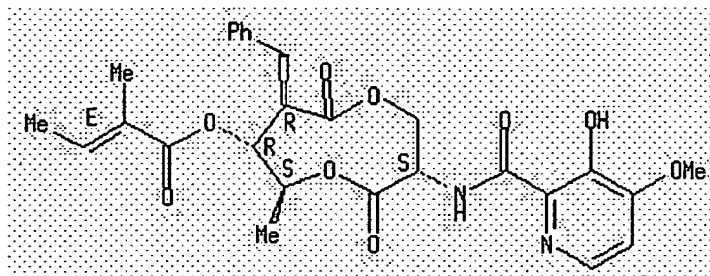
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1 151360-46-2/BI
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1 151360-47-3/BI
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1 167173-88-8/BI
(167173-88-8/RN)

L5 12 (151271-53-3/BI OR 151360-46-2/BI OR 151360-47-3/BI OR 166820-04-8/BI OR 166820-05-9/BI OR 166820-06-0/BI OR 166820-07-1/BI OR 166820-08-2/BI OR 167173-85-5/BI OR 167173-86-6/BI OR 167173-87-7/BI OR 167173-88-8/BI)

=> d scan

L5 12 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Butenoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester, (2E)- (9CI)
MF C27 H30 N2 O9

Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.

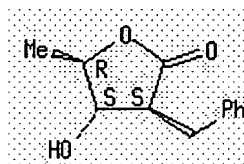


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1)11

L5 12 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2(3H)-Furanone, dihydro-4-hydroxy-5-methyl-3-(phenylmethyl)-,
 [3S-(3 α ,4 β ,5 α)]- (9CI)
 MF C12 H14 O3

Absolute stereochemistry.

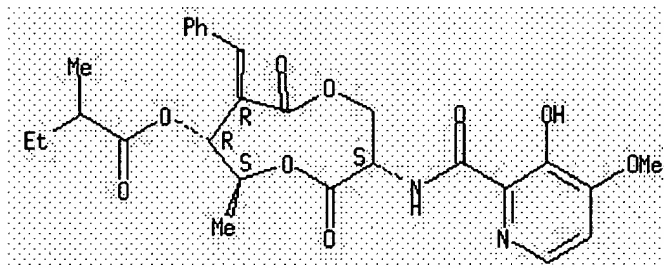


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 12 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Butanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[3-hydroxy-4-methoxy-2-
 pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-
 7-yl ester (9CI)
 MF C27 H32 N2 O9

Absolute stereochemistry.

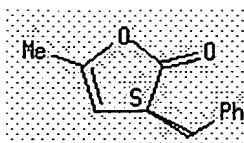
Currently available stereo shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

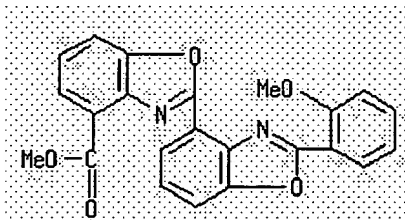
L5 12 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2(3H)-Furanone, 5-methyl-3-(phenylmethyl)-, (S)- (9CI)
 MF C12 H12 O2

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

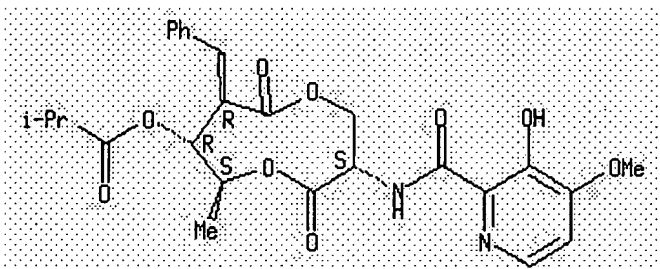
L5 12 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN [2,4'-Bibenzoxazole]-4-carboxylic acid, 2'-(2-methoxyphenyl)-, methyl ester (9CI)
 MF C23 H16 N2 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 12 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI)
 MF C26 H30 N2 O9

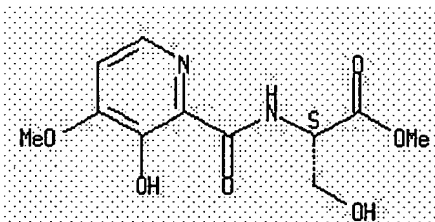
Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 12 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN L-Serine, N-[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]-, methyl ester (9CI)
 MF C11 H14 N2 O6

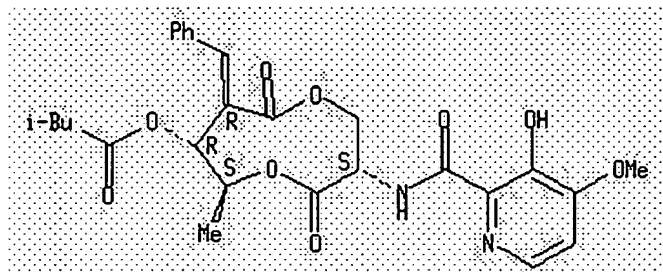
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 12 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Butanoic acid, 3-methyl-, (3S,6S,7R,8R)-3-[[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI)
 MF C27 H32 N2 O9

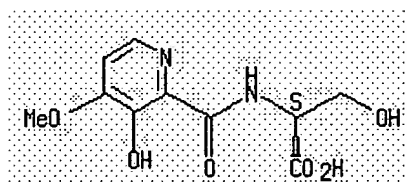
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

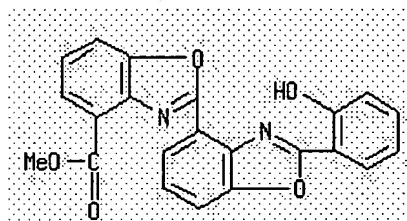
L5 12 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN L-Serine, N-[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]- (9CI)
 MF C10 H12 N2 O6

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

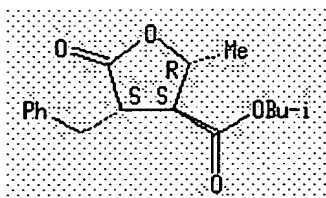
L5 12 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN [2,4'-Bibenzoxazole]-4-carboxylic acid, 2'-(2-hydroxyphenyl)-, methyl ester (9CI)
 MF C22 H14 N2 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

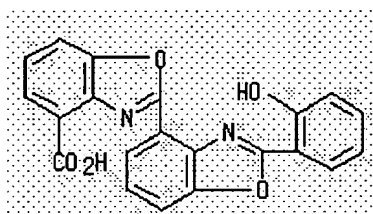
L5 12 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 3-Furancarboxylic acid, tetrahydro-2-methyl-5-oxo-4-(phenylmethyl)-, 2-methylpropyl ester, [2R-(2α,3β,4α)]- (9CI)
 MF C17 H22 O4

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 12 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN [2,4'-Bibenzoxazole]-4-carboxylic acid, 2'-(2-hydroxyphenyl)- (9CI)
 MF C21 H12 N2 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

0.43	11.94
------	-------

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE

0.00	-1.46
------	-------

FILE 'REGISTRY' ENTERED AT 13:05:34 ON 10 JUN 2005

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STRUCTURE FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7

DICTIONARY FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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 conducting SmartSELECT searches.

 *
 * The CA roles and document type information have been removed from *

* the IDE default display format and the ED field has been added, *
 * effective March 20, 2005. A new display format, IDERL, is now *
 * available and contains the CA role and document type information. *
 * *

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> s 128:163891/cn
'DN' IS NOT A VALID FIELD CODE
L6          0 128:163891/DN
```

```
=> file hcaplus
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                               ENTRY      SESSION
FULL ESTIMATED COST          0.43      12.37

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                               ENTRY      SESSION
CA SUBSCRIBER PRICE          0.00      -1.46
```

FILE 'HCAPLUS' ENTERED AT 13:05:51 ON 10 JUN 2005
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FILE COVERS 1907 - 10 Jun 2005 VOL 142 ISS 25
 FILE LAST UPDATED: 9 Jun 2005 (20050609/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s 128:163891/cn
L7          1 128:163891/DN
```

```
=> sel rn
E13 THROUGH E15 ASSIGNED
```

```
=> delete select
DELETE ALL E# DEFINITIONS? (Y)/N:y
ALL E# DEFINITIONS DELETED
```

=> sel rn
E1 THROUGH E3 ASSIGNED

=> file reg			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
	ENTRY	SESSION	
FULL ESTIMATED COST	2.61	14.98	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
	ENTRY	SESSION	
CA SUBSCRIBER PRICE	0.00	-1.46	

FILE 'REGISTRY' ENTERED AT 13:06:11 ON 10 JUN 2005
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STRUCTURE FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7
DICTIONARY FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

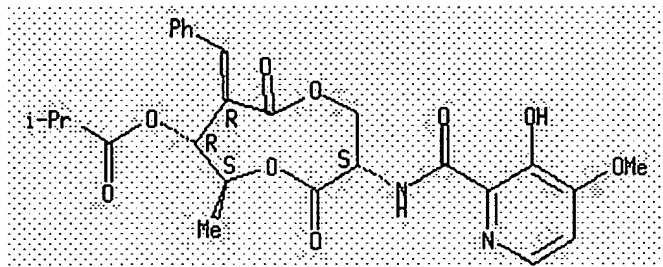
```
=> s a1-a3
      1 167173-85-5/BI
        (167173-85-5/RN)
      1 194931-82-3/BI
        (194931-82-3/RN)
      1 56-65-5/BI
        (56-65-5/RN)
L8      3 (167173-85-5/BI OR 194931-82-3/BI OR 56-65-5/BI)
```

=> d scan

```
L8      3 ANSWERS  REGISTRY  COPYRIGHT 2005 ACS on STN
IN      Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[3-hydroxy-4-methoxy-2-
pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-
```

7-yl ester (9CI)
MF C26 H30 N2 O9

Absolute stereochemistry. Rotation (+).

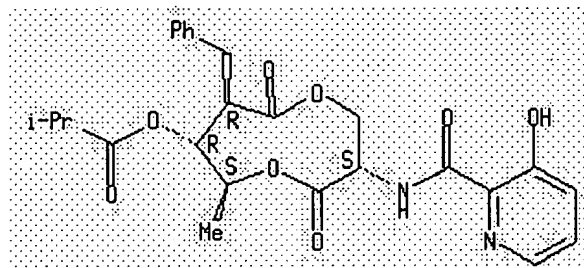


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1)2

L8 3 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[(3-hydroxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI)
MF C25 H28 N2 O8

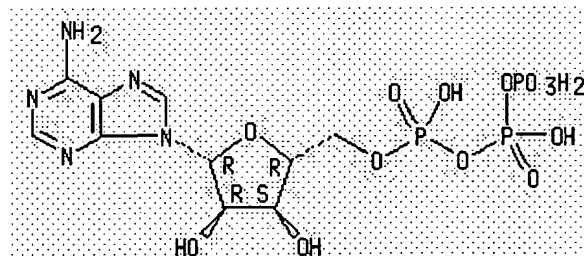
Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 3 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Adenosine 5'-(tetrahydrogen triphosphate) (8CI, 9CI)
MF C10 H16 N5 O13 P3
CI COM

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	15.41
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.46

FILE 'REGISTRY' ENTERED AT 13:06:25 ON 10 JUN 2005
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STRUCTURE FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7
 DICTIONARY FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

 *
 * The CA roles and document type information have been removed from *
 * the IDE default display format and the ED field has been added, *
 * effective March 20, 2005. A new display format, IDERL, is now *
 * available and contains the CA role and document type information. *
 *

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s 127:217524/dn
 'DN' IS NOT A VALID FIELD CODE
 L9 0 127:217524/DN

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	15.84
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.46

FILE 'HCAPLUS' ENTERED AT 13:06:36 ON 10 JUN 2005

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FILE COVERS 1907 - 10 Jun 2005 VOL 142 ISS 25
 FILE LAST UPDATED: 9 Jun 2005 (20050609/ED)

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```
=> s 127:217524/dn
L10          1 127:217524/DN
```

```
=> sel rn
E4 THROUGH E4 ASSIGNED
```

```
=> delete select
DELETE ALL E# DEFINITIONS? (Y)/N:y
ALL E# DEFINITIONS DELETED
```

```
=> sel rn
E1 THROUGH E1 ASSIGNED
```

```
=> file reg,
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          2.61      18.45

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                                ENTRY      SESSION
CA SUBSCRIBER PRICE          0.00      -1.46
```

FILE 'REGISTRY' ENTERED AT 13:06:57 ON 10 JUN 2005
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STRUCTURE FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7
 DICTIONARY FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

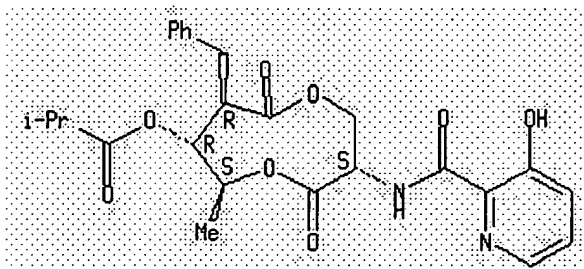
=> s e1

L11 1 194931-82-3/BI
(194931-82-3/RN)

=> d scan

L11 1 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[3-hydroxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI)
MF C25 H28 N2 O8

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file hcapius

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	18.88
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.46

FILE 'HCAPLUS' ENTERED AT 13:07:09 ON 10 JUN 2005

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 FILE LAST UPDATED: 9 Jun 2005 (20050609/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 13:03:07 ON 10 JUN 2005)

FILE 'REGISTRY' ENTERED AT 13:03:13 ON 10 JUN 2005

FILE 'HCAPLUS' ENTERED AT 13:03:17 ON 10 JUN 2005

L1 1 S 123:337553/DN
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:03:45 ON 10 JUN 2005

L2 8 S E1-E8

FILE 'HCAPLUS' ENTERED AT 13:04:36 ON 10 JUN 2005

L3 1 S 123:164736/DN
 SEL RN
 DELETE SELECT
 SEL RN

L4 33 S E1-E12

FILE 'REGISTRY' ENTERED AT 13:05:16 ON 10 JUN 2005

L5 12 S E1-E12

FILE 'REGISTRY' ENTERED AT 13:05:34 ON 10 JUN 2005

L6 0 S 128:163891/DN

FILE 'HCAPLUS' ENTERED AT 13:05:51 ON 10 JUN 2005

L7 1 S 128:163891/DN
 SEL RN
 DELETE SELECT
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:06:11 ON 10 JUN 2005

L8 3 S E1-E3

FILE 'REGISTRY' ENTERED AT 13:06:25 ON 10 JUN 2005

L9 0 S 127:217524/DN

FILE 'HCAPLUS' ENTERED AT 13:06:36 ON 10 JUN 2005

L10 1 S 127:217524/DN
SEL RN
DELETE SELECT
SEL RN

FILE 'REGISTRY' ENTERED AT 13:06:57 ON 10 JUN 2005

L11 1 S E1

FILE 'HCAPLUS' ENTERED AT 13:07:09 ON 10 JUN 2005

=> d 110, ibib abs, 1

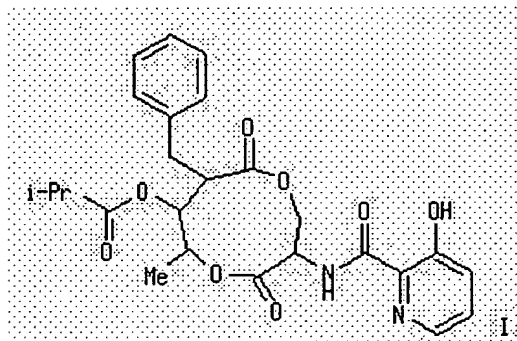
L10 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

Full
Text

Citing
References

ACCESSION NUMBER: 1997:504110 HCAPLUS
DOCUMENT NUMBER: 127:217524
TITLE: UK-3A, a novel antifungal antibiotic from Streptomyces sp. 517-02: fermentation, isolation, structural elucidation and biological properties
AUTHOR(S): Ueki, Masashi; Kusumoto, Atsushi; Hanafi, Muhammad; Shibata, Kozo; Tanaka, Toshio; Taniguchi, Makoto
CORPORATE SOURCE: Faculty of Science, Osaka City University, Osaka, 558, Japan
SOURCE: Journal of Antibiotics (1997), 50(7), 551-555
CODEN: JANTAJ; ISSN: 0021-8820
PUBLISHER: Japan Antibiotics Research Association
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

RS161.A1 57



AB A novel antifungal antibiotic, UK-3A (I), was obtained from the mycelial cake of Streptomyces sp. 517-02. I was very similar in structure to UK-2A, a structural relative of antimycin A. The antifungal spectrum of I was relatively broad (MICs for yeasts and filamentous fungi: 1.56~6.25 and 0.39~1.56 µg/mL, resp.). The cytotoxic activity of I was weak (IC50: 18~100 µg/mL).

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 126:144017/dn

L12 1 126:144017/DN

```
=> sel rn
E2 THROUGH E11 ASSIGNED
```

```
=> delete select
DELETE ALL E# DEFINITIONS? (Y)/N:y
ALL E# DEFINITIONS DELETED
```

```
=> sel rn
E1 THROUGH E10 ASSIGNED
```

```
=> file reg
COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                     ENTRY      SESSION
FULL ESTIMATED COST                5.26          24.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                     ENTRY      SESSION
CA SUBSCRIBER PRICE                -0.73         -2.19
```

FILE 'REGISTRY' ENTERED AT 13:07:53 ON 10 JUN 2005
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```
STRUCTURE FILE UPDATES:    9 JUN 2005  HIGHEST RN 852020-24-7
DICTIONARY FILE UPDATES:  9 JUN 2005  HIGHEST RN 852020-24-7
```

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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 conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*
*****
```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> s e1-e10
1 166820-04-8/BI
   (166820-04-8/RN)
1 166820-06-0/BI
   (166820-06-0/RN)
1 167173-85-5/BI
   (167173-85-5/RN)
```

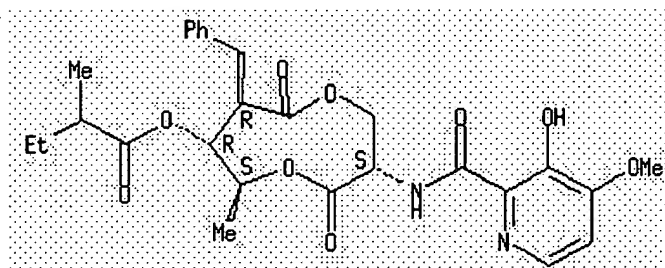
1 167173-86-6/BI
 (167173-86-6/RN)
 1 167173-87-7/BI
 (167173-87-7/RN)
 1 167173-88-8/BI
 (167173-88-8/RN)
 1 186528-19-8/BI
 (186528-19-8/RN)
 1 186528-21-2/BI
 (186528-21-2/RN)
 1 186528-22-3/BI
 (186528-22-3/RN)
 1 186528-23-4/BI
 (186528-23-4/RN)

L13 10 (166820-04-8/BI OR 166820-06-0/BI OR 167173-85-5/BI OR 167173-86-6/BI OR 167173-87-7/BI OR 167173-88-8/BI OR 186528-19-8/BI OR 186528-21-2/BI OR 186528-22-3/BI OR 186528-23-4/BI)

=> d scan

L13 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Butanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI)
 MF C27 H32 N2 O9

Absolute stereochemistry.
 Currently available stereo shown.

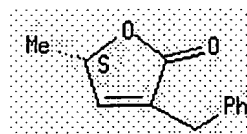


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1) 9

L13 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2(5H)-Furanone, 5-methyl-3-(phenylmethyl)-, (5S)- (9CI)
 MF C12 H12 O2

Absolute stereochemistry.

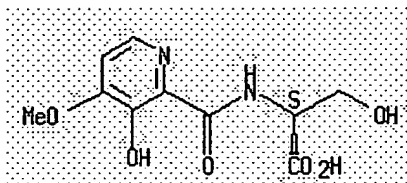


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN L-Serine, N-[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]- (9CI)
 MF C10 H12 N2 O6

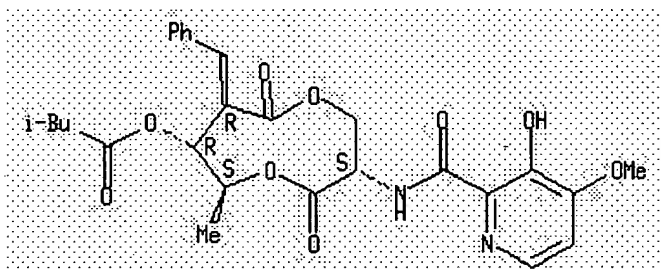
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Butanoic acid, 3-methyl-, (3S,6S,7R,8R)-3-[[[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI)
 MF C27 H32 N2 O9

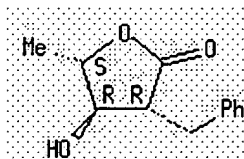
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN L-Arabinonic acid, 2,5-dideoxy-2-(phenylmethyl)-, γ -lactone (9CI)
 MF C12 H14 O3

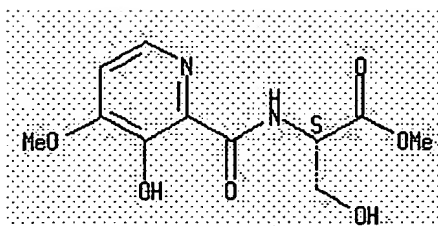
Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN L-Serine, N-[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]-, methyl ester (9CI)
 MF C11 H14 N2 O6

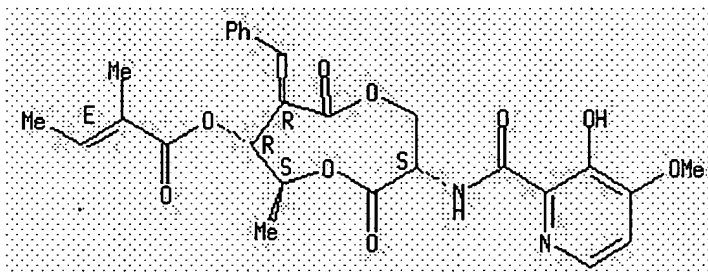
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2-Butenoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester, (2E)- (9CI)
 MF C27 H30 N2 O9

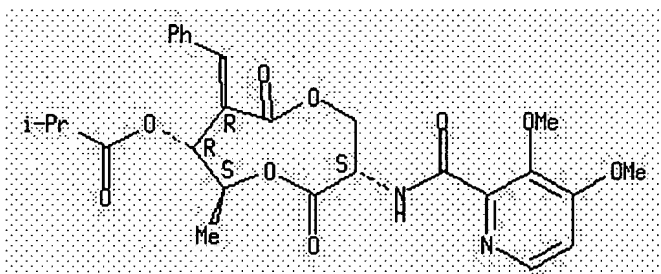
Absolute stereochemistry. Rotation (+).
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Propanoic acid, 2-methyl-, 3-[[[(3,4-dimethoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester, [3S-(3R*,6R*,7S*,8S*)]- (9CI)
 MF C27 H32 N2 O9

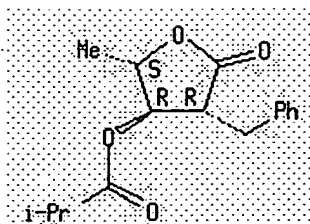
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN L-Arabinonic acid, 2,5-dideoxy-2-(phenylmethyl)-, γ -lactone, 3-(2-methylpropanoate) (9CI)
 MF C16 H20 O4

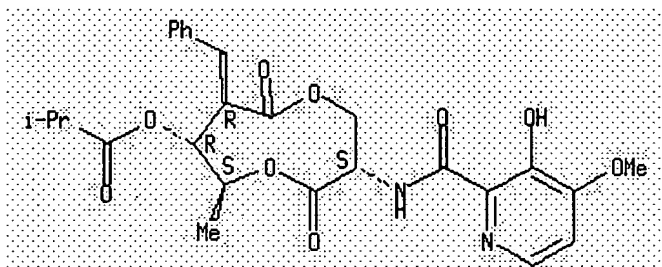
Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI)
 MF C26 H30 N2 O9

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	24.57
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.19

FILE 'HCAPLUS' ENTERED AT 13:08:09 ON 10 JUN 2005
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FILE COVERS 1907 - 10 Jun 2005 VOL 142 ISS 25
 FILE LAST UPDATED: 9 Jun 2005 (20050609/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s 125:109869/dn
L14          1 125:109869/DN
```

```
=> sel rn
E11 THROUGH E14 ASSIGNED
```

```
=> delete select
DELETE ALL E# DEFINITIONS? (Y)/N:y
ALL E# DEFINITIONS DELETED
```

```
=> sel rn
E1 THROUGH E4 ASSIGNED
```

```
=> file reg
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                               ENTRY      SESSION
FULL ESTIMATED COST          2.61      27.18

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                               ENTRY      SESSION
CA SUBSCRIBER PRICE          0.00      -2.19
```

FILE 'REGISTRY' ENTERED AT 13:08:32 ON 10 JUN 2005
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7
 DICTIONARY FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more

information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s e1-e4

1 167173-85-5/BI
 (167173-85-5/RN)
 1 167173-86-6/BI
 (167173-86-6/RN)
 1 167173-87-7/BI
 (167173-87-7/RN)
 1 167173-88-8/BI
 (167173-88-8/RN)

L15 4 (167173-85-5/BI OR 167173-86-6/BI OR 167173-87-7/BI OR 167173-88-8/BI)

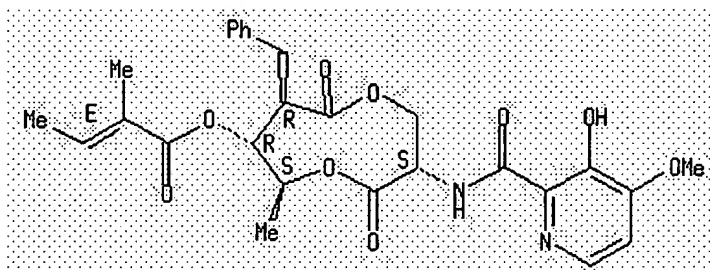
=> d scan

L15 4 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 2-Butenoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester, (2E)- (9CI)

MF C27 H30 N2 O9

Absolute stereochemistry. Rotation (+).
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

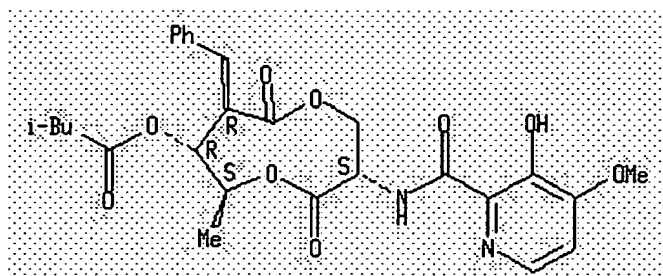
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1) 3

L15 4 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Butanoic acid, 3-methyl-, (3S,6S,7R,8R)-3-[[[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI)

MF C27 H32 N2 O9

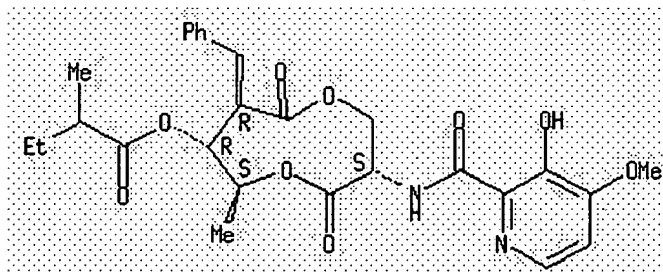
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L15 4 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Butanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI)
 MF C27 H32 N2 O9

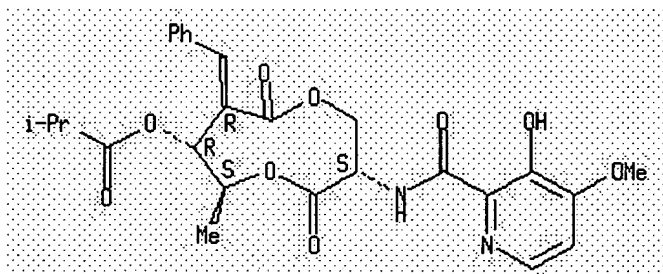
Absolute stereochemistry.
 Currently available stereo shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L15 4 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI)
 MF C26 H30 N2 O9

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> d his

(FILE 'HOME' ENTERED AT 13:03:07 ON 10 JUN 2005)

FILE 'REGISTRY' ENTERED AT 13:03:13 ON 10 JUN 2005

FILE 'HCAPLUS' ENTERED AT 13:03:17 ON 10 JUN 2005

L1 1 S 123:337553/DN
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:03:45 ON 10 JUN 2005

L2 8 S E1-E8

FILE 'HCAPLUS' ENTERED AT 13:04:36 ON 10 JUN 2005

L3 1 S 123:164736/DN
 SEL RN
 DELETE SELECT
 SEL RN

L4 33 S E1-E12

FILE 'REGISTRY' ENTERED AT 13:05:16 ON 10 JUN 2005

L5 12 S E1-E12

FILE 'REGISTRY' ENTERED AT 13:05:34 ON 10 JUN 2005

L6 0 S 128:163891/DN

FILE 'HCAPLUS' ENTERED AT 13:05:51 ON 10 JUN 2005

L7 1 S 128:163891/DN
 SEL RN
 DELETE SELECT
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:06:11 ON 10 JUN 2005

L8 3 S E1-E3

FILE 'REGISTRY' ENTERED AT 13:06:25 ON 10 JUN 2005

L9 0 S 127:217524/DN

FILE 'HCAPLUS' ENTERED AT 13:06:36 ON 10 JUN 2005

L10 1 S 127:217524/DN
 SEL RN
 DELETE SELECT
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:06:57 ON 10 JUN 2005

L11 1 S E1

FILE 'HCAPLUS' ENTERED AT 13:07:09 ON 10 JUN 2005

L12 1 S 126:144017/DN
 SEL RN
 DELETE SELECT
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:07:53 ON 10 JUN 2005

L13 10 S E1-E10

FILE 'HCAPLUS' ENTERED AT 13:08:09 ON 10 JUN 2005

L14 1 S 125:109869/DN
 SEL RN
 DELETE SELECT

SEL RN

FILE 'REGISTRY' ENTERED AT 13:08:32 ON 10 JUN 2005
L15 4 S E1-E4

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	27.61
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.19

FILE 'REGISTRY' ENTERED AT 13:08:53 ON 10 JUN 2005
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STRUCTURE FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7
DICTIONARY FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d l14, ibib abs, i

YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y

L14 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

Full Text	Citing References
-----------	-------------------

ACCESSION NUMBER: 1996:463922 HCAPLUS
DOCUMENT NUMBER: 125:109869
TITLE: UK-2A, B, C and D, novel antifungal antibiotics from Streptomyces sp. 517-02. I. Fermentation, isolation,

and biological properties

AUTHOR(S): Ueki, Masahi; Abe, Keiichi; Hanafi, Muhammad; Shibata, Kozo; Tanaka, Toshio; Taniguchi, Makoto

CORPORATE SOURCE: Fac. Science, Osaka City Univ., Osaka, 558, Japan

SOURCE: Journal of Antibiotics (1996), 49(7), 639-643

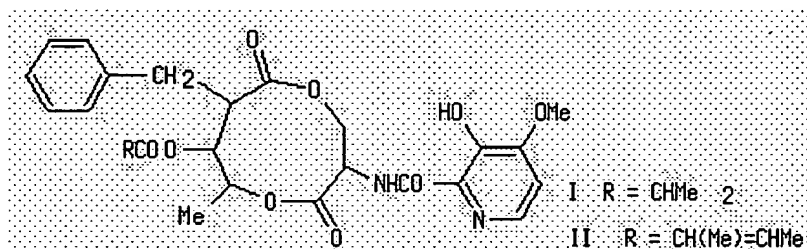
CODEN: JANTAJ; ISSN: 0021-8820

PUBLISHER: Japan Antibiotics Research Association

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB Novel antifungal antibiotics, UK-2A (I), UK-2B (II) and a mixt. of UK-2C and UK-2D, were obtained from the mycelial cake of *Streptomyces* sp. 517-02. All of the UK-2 compds. were similar in structure to antimycin A. The antifungal activities of of UK-2 compds. were as strong as that of antimycin A. However, the UK-2 compds. demonstrated weak cytotoxicity compared to antimycin A.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	33.57
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

FILE 'REGISTRY' ENTERED AT 13:09:04 ON 10 JUN 2005
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STRUCTURE FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7
 DICTIONARY FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7

New CAS Information Use Policies, enter [HELP USAGETERMS](#) for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

 *
 * The CA roles and document type information have been removed from *
 * the IDE default display format and the ED field has been added, *

* effective March 20, 2005. A new display format, IDERL, is now *
 * available and contains the CA role and document type information. *
 *

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.43	34.00
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

FILE 'HCAPLUS' ENTERED AT 13:09:06 ON 10 JUN 2005

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FILE COVERS 1907 - 10 Jun 2005 VOL 142 ISS 25

FILE LAST UPDATED: 9 Jun 2005 (20050609/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 123:337552/dn

L16 1 123:337552/DN

=> sel rn

E5 THROUGH E8 ASSIGNED

=> delete select

DELETE ALL E# DEFINITIONS? (Y)/N:y

ALL E# DEFINITIONS DELETED

=> sel rn

E1 THROUGH E4 ASSIGNED

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
----------------------	------------	-------

	ENTRY	SESSION
FULL ESTIMATED COST	2.61	36.61
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

FILE 'REGISTRY' ENTERED AT 13:09:36 ON 10 JUN 2005
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STRUCTURE FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7
 DICTIONARY FILE UPDATES: 9 JUN 2005 HIGHEST RN 852020-24-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

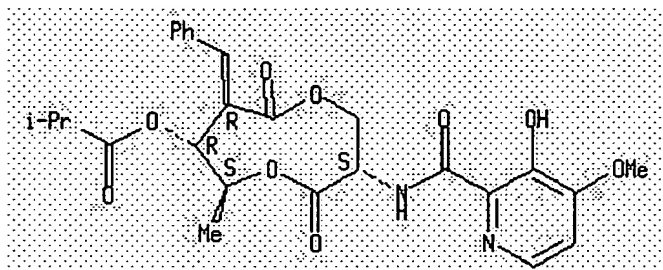
=> s el-e4

```
1 167173-85-5/BI
  (167173-85-5/RN)
1 167173-86-6/BI
  (167173-86-6/RN)
1 167173-87-7/BI
  (167173-87-7/RN)
1 167173-88-8/BI
  (167173-88-8/RN)
L17 4 (167173-85-5/BI OR 167173-86-6/BI OR 167173-87-7/BI OR 167173-88
      -8/BI)
```

=> d scan

```
L17 4 ANSWERS  REGISTRY  COPYRIGHT 2005 ACS on STN
IN  Propanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[ (3-hydroxy-4-methoxy-2-
    pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-
    7-yl ester (9CI)
MF  C26 H30 N2 O9
```

Absolute stereochemistry. Rotation (+).

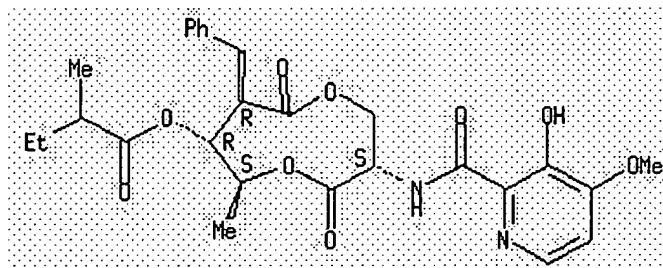


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1) 3

L17 4 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Butanoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI)
 MF C27 H32 N2 O9

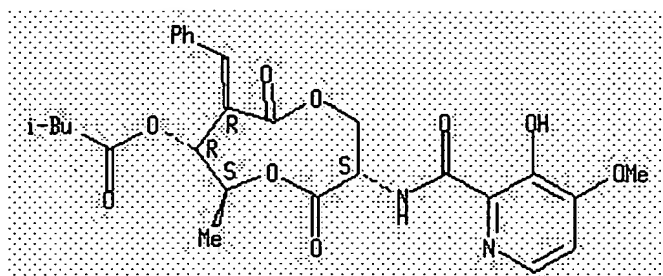
Absolute stereochemistry.
 Currently available stereo shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 4 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Butanoic acid, 3-methyl-, (3S,6S,7R,8R)-3-[[[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester (9CI)
 MF C27 H32 N2 O9

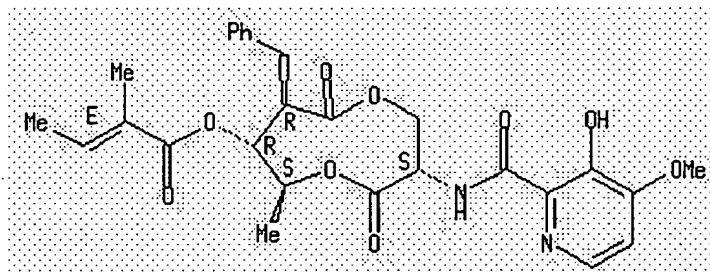
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 4 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 2-Butenoic acid, 2-methyl-, (3S,6S,7R,8R)-3-[[(3-hydroxy-4-methoxy-2-pyridinyl)carbonyl]amino]-6-methyl-4,9-dioxo-8-(phenylmethyl)-1,5-dioxonan-7-yl ester, (2E)- (9CI)
 MF C27 H30 N2 O9

Absolute stereochemistry. Rotation (+).
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> d his

(FILE 'HOME' ENTERED AT 13:03:07 ON 10 JUN 2005)

FILE 'REGISTRY' ENTERED AT 13:03:13 ON 10 JUN 2005

FILE 'HCAPLUS' ENTERED AT 13:03:17 ON 10 JUN 2005

L1 1 S 123:337553/DN
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:03:45 ON 10 JUN 2005

L2 8 S E1-E8

FILE 'HCAPLUS' ENTERED AT 13:04:36 ON 10 JUN 2005

L3 1 S 123:164736/DN
 SEL RN
 DELETE SELECT
 SEL RN

L4 33 S E1-E12

FILE 'REGISTRY' ENTERED AT 13:05:16 ON 10 JUN 2005

L5 12 S E1-E12

L6 FILE 'REGISTRY' ENTERED AT 13:05:34 ON 10 JUN 2005
0 S 128:163891/DN

L7 FILE 'HCAPLUS' ENTERED AT 13:05:51 ON 10 JUN 2005
1 S 128:163891/DN
SEL RN
DELETE SELECT
SEL RN

L8 FILE 'REGISTRY' ENTERED AT 13:06:11 ON 10 JUN 2005
3 S E1-E3

L9 FILE 'REGISTRY' ENTERED AT 13:06:25 ON 10 JUN 2005
0 S 127:217524/DN

L10 FILE 'HCAPLUS' ENTERED AT 13:06:36 ON 10 JUN 2005
1 S 127:217524/DN
SEL RN
DELETE SELECT
SEL RN

L11 FILE 'REGISTRY' ENTERED AT 13:06:57 ON 10 JUN 2005
1 S E1

L12 FILE 'HCAPLUS' ENTERED AT 13:07:09 ON 10 JUN 2005
1 S 126:144017/DN
SEL RN
DELETE SELECT
SEL RN

L13 FILE 'REGISTRY' ENTERED AT 13:07:53 ON 10 JUN 2005
10 S E1-E10

L14 FILE 'HCAPLUS' ENTERED AT 13:08:09 ON 10 JUN 2005
1 S 125:109869/DN
SEL RN
DELETE SELECT
SEL RN

L15 FILE 'REGISTRY' ENTERED AT 13:08:32 ON 10 JUN 2005
4 S E1-E4

FILE 'REGISTRY' ENTERED AT 13:08:53 ON 10 JUN 2005

FILE 'HCAPLUS' ENTERED AT 13:09:00 ON 10 JUN 2005

FILE 'REGISTRY' ENTERED AT 13:09:00 ON 10 JUN 2005

FILE 'REGISTRY' ENTERED AT 13:09:04 ON 10 JUN 2005

L16 FILE 'HCAPLUS' ENTERED AT 13:09:06 ON 10 JUN 2005
1 S 123:337552/DN
SEL RN
DELETE SELECT
SEL RN

L17 FILE 'REGISTRY' ENTERED AT 13:09:36 ON 10 JUN 2005
4 S E1-E4

=> file hcaplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.43	37.04

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-2.92

CA SUBSCRIBER PRICE

FILE 'HCAPLUS' ENTERED AT 13:09:52 ON 10 JUN 2005
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FILE COVERS 1907 - 10 Jun 2005 VOL 142 ISS 25
FILE LAST UPDATED: 9 Jun 2005 (20050609/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 13:03:07 ON 10 JUN 2005)

FILE 'REGISTRY' ENTERED AT 13:03:13 ON 10 JUN 2005

FILE 'HCAPLUS' ENTERED AT 13:03:17 ON 10 JUN 2005

L1 1 S 123:337553/DN
SEL RN

FILE 'REGISTRY' ENTERED AT 13:03:45 ON 10 JUN 2005

L2 8 S E1-E8

FILE 'HCAPLUS' ENTERED AT 13:04:36 ON 10 JUN 2005

L3 1 S 123:164736/DN
SEL RN
DELETE SELECT
SEL RN

L4 33 S E1-E12

FILE 'REGISTRY' ENTERED AT 13:05:16 ON 10 JUN 2005

L5 12 S E1-E12

FILE 'REGISTRY' ENTERED AT 13:05:34 ON 10 JUN 2005

L6 0 S 128:163891/DN

FILE 'HCAPLUS' ENTERED AT 13:05:51 ON 10 JUN 2005

L7 1 S 128:163891/DN
 SEL RN
 DELETE SELECT
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:06:11 ON 10 JUN 2005

L8 3 S E1-E3

FILE 'REGISTRY' ENTERED AT 13:06:25 ON 10 JUN 2005

L9 0 S 127:217524/DN

FILE 'HCAPLUS' ENTERED AT 13:06:36 ON 10 JUN 2005

L10 1 S 127:217524/DN
 SEL RN
 DELETE SELECT
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:06:57 ON 10 JUN 2005

L11 1 S E1

FILE 'HCAPLUS' ENTERED AT 13:07:09 ON 10 JUN 2005

L12 1 S 126:144017/DN
 SEL RN
 DELETE SELECT
 SEL RN

FILE 'REGISTRY' ENTERED AT 13:07:53 ON 10 JUN 2005

L13 10 S E1-E10

FILE 'HCAPLUS' ENTERED AT 13:08:09 ON 10 JUN 2005

L14 1 S 125:109869/DN
 SEL RN
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FILE 'REGISTRY' ENTERED AT 13:08:32 ON 10 JUN 2005

L15 4 S E1-E4

FILE 'REGISTRY' ENTERED AT 13:08:53 ON 10 JUN 2005

FILE 'HCAPLUS' ENTERED AT 13:09:00 ON 10 JUN 2005

FILE 'REGISTRY' ENTERED AT 13:09:00 ON 10 JUN 2005

FILE 'REGISTRY' ENTERED AT 13:09:04 ON 10 JUN 2005

FILE 'HCAPLUS' ENTERED AT 13:09:06 ON 10 JUN 2005

L16 1 S 123:337552/DN
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FILE 'REGISTRY' ENTERED AT 13:09:36 ON 10 JUN 2005

L17 4 S E1-E4

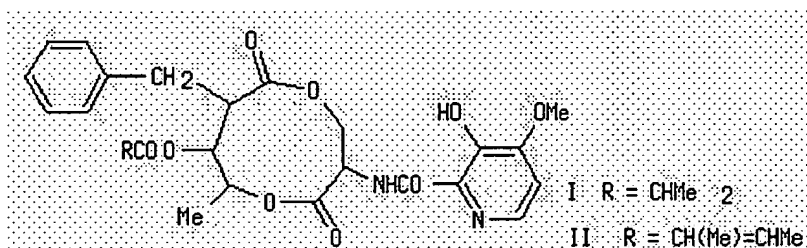
FILE 'HCAPLUS' ENTERED AT 13:09:52 ON 10 JUN 2005

=> d l14, ibib abs, i

L14 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

Full
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References

ACCESSION NUMBER: 1996:463922 HCAPLUS
 DOCUMENT NUMBER: 125:109869
 TITLE: UK-2A, B, C and D, novel antifungal antibiotics from *Streptomyces* sp. 517-02. I. Fermentation, isolation, and biological properties
 AUTHOR(S): Ueki, Masahi; Abe, Keiichi; Hanafi, Muhammad; Shibata, Kozo; Tanaka, Toshio; Taniguchi, Makoto
 CORPORATE SOURCE: Fac. Science, Osaka City Univ., Osaka, 558, Japan
 SOURCE: Journal of Antibiotics (1996), 49(7), 639-643
 CODEN: JANTAJ; ISSN: 0021-8820
 PUBLISHER: Japan Antibiotics Research Association
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB Novel antifungal antibiotics, UK-2A (I), UK-2B (II) and a mixt. of UK-2C and UK-2D, were obtained from the mycelial cake of *Streptomyces* sp. 517-02. All of the UK-2 compds. were similar in structure to antimycin A. The antifungal activities of of UK-2 compds. were as strong as that of antimycin A. However, the UK-2 compds. demonstrated weak cytotoxicity compared to antimycin A.

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